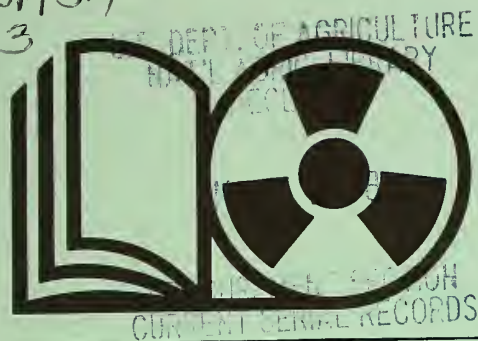


## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



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# AGRICULTURAL LIBRARIES INFORMATION NOTES

## SAHEL DOCUMENTATION CENTER

by

Gretchen Walsh, Librarian\*



The Sahel Documentation Center of Michigan State University (MSU) is an out-growth of the University's interest in Africa in general and recent interest in the Sahel in particular. Funded by the MSU Libraries, the

other ephemeral material in the Africana Area Files. A survey of Sahelian material already in the MSU collection has been undertaken. In addition to this, Sahelian material is collected for the center in a number of ways. In December 1976, cooperation was sought from the offices of AID's Africa Bureau in the collection of photocopies of all documents relevant to the Sahel. This has been followed up by a project of the Sahel Development Program (SDP) Office (Sahel French West Africa section of the Africa Bureau). Jim Bingen, a specialist in the SDP office, conducted a comprehensive survey of reports on Sahelian projects done by the Africa Bureau.

African Studies Center through an Office of Education Grant, and the Department of Agricultural Economics through contract AID/afr-C-1261, the center was first conceived of as bibliographic support for MSU and other research projects on the Sahel. Agency For International Development (AID) funds have allowed expansion of its scope to include service on a larger scale to AID and other consultants as well as substantial cooperation with information centers in the Sahel.

The collection of the Sahel Documentation Center is built on the strength of the MSU Africana collection. In addition to some 50,000 volumes and 2,000 microforms on Africa held in the Research, Science, and Microform libraries, the International Library maintains a collection of about 15,000 pamphlets and

Photo or micro copies of these reports will be added to the collection at the MSU Sahel Documentation Center, and will also be available through the AID Reproduction Center in Ann Arbor.

In January 1977, Dr. Eugene de Benko, Director of the International Library, took an eight week acquisitions trip to the Sahel, with stops in Rome and Paris. On this trip he visited major European centers, including OECD and FAO, as well as AID missions in each of the Sahelian countries. He also visited the documentation centers of the Commission du Fleuve Niger (CFN), Organisation pour la Mise en Valeur

*(Continued on page 2)*

\*Formerly Librarian, Sahel Documentation Center, Michigan State University; now with African Studies Libraries, Boston University, Boston, MA.

(Continued from page 1)

(OMVS), Comite Interfricain d' Etudes Hydrauliques (CIEH) and other organizations. The fruits of this trip are still arriving in East Lansing.

Besides these two efforts, regular acquisitions channels are pursued, with orders sent direct to publishers or to dealers. One such dealer, African Imprint Library Services, Bedford, New York, is particularly helpful in obtaining otherwise difficult to obtain African publications. The Sahel Documentation Center currently has about 1500 items in process. Many of these will be integrated into the Research Collection; the rest will be shelved in the International Library with the Area Files. These materials receive an alpha-numerical classification with main division by geographic area and subdivision by broad subject category.

Access to this collection is supplied in a number of ways. Material integrated into the Research Collection will receive full cataloging and will be entered into the OCLC computer network. Material in the Area Files has an author catalog with the shelf list acting as subject access. In addition to this, the *Sahel Bibliographic Bulletin/Bulletin Bibliographique* acts as a finding aid to the collection. This quarterly publication provides a variety of information: bibliographies; notes on centers; notices of conferences; and articles on topics of concern to information service for and about the Sahel. Several issues each year will serve as accessions lists for the collection. The bulletin is distributed free of charge.

Discussions have begun with System Development Corporation about input to AGRICOLA, in conjunction with other programs at University of California at Riverside and University of Arizona. Such an arrangement would give wide access to SDC materials.

At present, physical access is supplied by on-site consultation and interlibrary loan. Photocopies of material are available for the developing nations. The possibilities of microfiche copying of the collection, with subsequent low cost dissemination are being explored. The problem of copyrighted material is also under scrutiny.

A conference on Information Exchange for Development in the Sahel was held 16-18 May 1977 at MSU.

Participants from the Comite Inter-etats de Lutte Contre la Secheresse dans le Sahel (CILSS), the West African Rice Development Association (WARDA), the Comite Interfricain d'Etudes Hydrauliques (CIEH), the Agency for International Development (AID), World Bank, the International Development Research Centre (IDRC), Volunteers in Technical Assistance (VITA), Consortium for International Development (CID), the South-East Consortium for International Development (SECID), The Library of Congress (LC), the National Agricultural Library (NAL), and university programs including University of Maryland Center for Research on Development (CRED), UC-Riverside Moisture Utilization in Semi-Arid Tropics (MUSAT), Indiana, Northwestern and Purdue met to discuss their various information services, the needs of their users and ways in which their organizations could cooperate to provide maximum benefit to the Sahel. In the recommendations of the conference, the Institute of the Sahel, being formed by CILSS was deemed the appropriate body to assume a coordinating function in a broad network of information services. The concern of the conference was to eliminate wasteful duplication of effort while assuring both the satisfaction of the local users of each center and ultimate service to the development efforts in the Sahel. Practical means of implementing such cooperation will be worked out over the coming year, with another conference tentatively scheduled for next spring.

The concept of a cooperative network dealing multidisciplinary information needs for and about a defined geographic area brings under scrutiny a number of important issues. One such issue is the role of such a network in the proliferation of broader international networks and service programs. In West Africa alone there are four major information and documentation services with varying geographic purviews and varying but related subject concentration (WARDA, OMVS, CFN, CIEH). The first three of these use computer-generated bibliographies with abstracts, and all have or plan microfiche copy dissemination. Other centers are planned or have begun operation. In addition to

**AWARDS TO BE PRESENTED  
BY ASSOCIATES OF THE  
NATIONAL AGRICULTURAL LIBRARY,  
INC.**

Three special awards will be made to nominated outstanding recipients in the agricultural library community by the Associates of the National Agricultural Library, Inc. at their annual meeting in the summer of 1978.

The Associates will honor outstanding performance in three different categories. Those honored must be nominated for this special attention by their exceptional contributions to the improvement of the agricultural library system and its literature.

The three categories are: (1) **PROFESSIONAL ACHIEVEMENT AWARD** for any published contribution to library literature or meritorious accomplishment in the library science field.

*Eligibility:* Open to agricultural/biological librarians and to members of the Associates NAL, Inc.

(2) **CITATION OF SPECIAL RECOGNITION** for special achievement and/or service given to the National Agricultural Library, to other agricultural libraries, or significant achievements leading to the advancement of the library science field. *Eligibility:* Open to concerned individuals and organizations in the agricultural field, NAL staff, and the Associates NAL, Inc.

(3) **DISTINGUISHED SERVICE AWARD** recognizes and encourages meritorious performance exceeding job requirements at the National Agricultural Library. *Eligibility:* Open to all members of the National Agricultural Library Staff.

All nominations should be mailed not later than May 31, 1978 to Ms. Barbara J. Williams, Box 1565, South Carolina State College, Orangeburg, South Carolina 29115. Each nomination should include the following information: (1) Name of the award for which the candidate is proposed, (2) a brief statement of the basis of the nomination and, where appropriate, a bibliography which supports the nomination.



*The Award takes the form of a bronze medallion.*

The Associates NAL, Inc. seek your participation and interest.



The staff of the National Agricultural Library and many friends in the field mourn the death of Patricia A. Condon, Chief, Lending Division. Mrs. Condon died after a four week illness from cancer.

A Memorial service was held on March 11 with a very large gathering, a testimonial to her warm personality and friendliness.

Mrs. Condon worked with the National Agricultural Library for ten years all in public service areas where she quickly impressed users who came back time and again for her assistance. She will be fondly remembered by her staff and colleagues.

# INTERAFRICAN COMMITTEE FOR HYDRAULIC STUDIES

Documentation Center

Emily Candelmo, Consulting Librarian

A group of scientists and engineers from a number of soon-to-be-independent francophonic countries of West and Central Africa met in 1960 and formed the Interafrican Committee for Hydraulic Studies/Comite Interfricaine d'Etudes Hydrauliques (ICHS/CIEH). The purpose of this organization was to design and execute scientific and technical studies on water problems of common interest to all members. It further defined its mission to include the exchange of technical information, particularly through placing documentation on water resources and techniques at the disposal of the member states.

Today the twelve members include Benin, Cameroon, Chad, Congo, Gabon, Ivory Coast, Mali, Mauritania, Niger, Senegal, Togo and Upper Volta. Four observer states — Ghana, Liberia, Nigeria, and the Central African Empire — have taken part in the Committee's activities.

Although the ICHS Documentation Center as such was not created until 1973, the Secretariat and Technical Bureau had amassed a significant number of documents which, along with the many ICHS studies carried out over the years, formed the basis of the present collection. Further early documentation was later acquired from the Archives of French West Africa in Senegal.

The present collection numbers over 5500 cataloged documents and over 1300 analytics from about 100 different periodicals and serial publications encompassing a broad scope of subject fields related to water resources and agricultural land use. Among these are hydrology (surface water), hydrogeology (groundwater), meteorology, range management, forestry, fisheries, soil science, demography, remote sensing, planning, and national and rural development. Approximately 60% of the documentation is in French and 40% in English. The collection includes government publications from the specialized agencies of the United Nations, studies performed by governmental, quasi-governmental, and private research organizations, and documents from important regional development organizations of West and Central Africa. In addition to written documentation, satellite photographs and a variety of geographical, pedological, topographic, ethnographic, and navigational maps and atlases complete the collection.

The main catalog is arranged by author and is supplemented by two separate geographic indexes arranged by longitudinal and latitudinal map coordinates. The ten-degree square coordinate index, for example, permits retrieval of all documents concerned with large geographical areas, such as the Sahel. A document on Northern Ivory Coast would, however, be found using the one-degree square coordinate index.

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Today the ICHS Documentation Center cooperates with other agencies and individual users in the dissemination of information and exchange of documents. ICHS studies are readily available as well as the quarterly *Liaison Bulletin*, which contains reports of the Committee's activities and recent reviews and bibliographies of new documentation. A copy of the Center's list of publications can be obtained by writing to: ICHS, Documentation Center, B.P. 868, Ouagadougou, Upper Volta or Emily Candelmo-Librarian, TAMS Engineers & Architects, 345 Park Avenue, New York, N.Y. 10022.

It is expected that the ICHS Documentation Center in Ouagadougou, Upper Volta will become the major center in West Africa from which all significant data bearing on water and land use can be obtained. A two volume catalog of its holdings is expected to be published in the early fall.



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**AGRICOLA**

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**ONLINE**

**COURSE**

**JUNE 12-16, 1978**

The Technical Information Systems, Science and Education Administration is sponsoring a five-day workshop to train librarians and information specialists in the utilization of its AGRICOLA bibliographic data base in a online mode. Charles L. Gilreath, who compiled the *CAIN ONLINE USERS MANUAL*, will teach the course with the aid of terminal instructors.

The course will be held June 12-16, 1978 at the Illini Union, Univeristy of Illinois, at Champaign-Urbana. Registrants will be responsible for their lodging, meals and transportation, but all equipment, manuals and instructions will be provided. A block of sleeping rooms has been set aside at the Illini Union, University of Illinois, at Champaign-Urbana. In making reservations indicate attendance at the AGRICOLA ONLINE Course. Persons wishing to attend should submit their names on letterhead stationery by May 12, to:

Automated Retrieval Services, TIS  
National Agricultural Library Building  
Beltsville, Maryland 20705.

Emergency telephone reservations, or inquiries, may be made by calling (301) 344-3834.

Twenty persons will be accepted in the course with preference given to government, land-grant or agriculturally related organizations in the East. The course is introductory to the use of AGRICOLA; no prior terminal experience is required. The course will provide extensive lecture, exercise, and terminal experience with commerical systems offering AGRICOLA.



*Abstracts of Papers Presented at the Bicentennial Meetings of the Historically Black Land-Grant Colleges & State Universities.* 74 p. \$3.25 (Orders will be accepted up to (but not later than) one month after the date of this announcement). Order from Dr. Ocleris Simpson, Research Coordinator, SEA/CR Programs, Division of Agriculture, Fort Valley State College, Fort Valley, Georgia 31030 (Phone: 912-825-6320).

*Adaptations Within Antarctic Ecosystems: Proceedings of the Third SCAR (Scientific Committee on Antarctic Research, of the International Council of Scientific Unions) Symposium on Antarctic Biology.* Held at Washington, D.C., August 26-30, 1974; hosted by the Polar Research Board, Assembly of Mathematical and Physical Sciences, National Research Council, (U.S.) National Academy of Sciences; sponsored by the Scientific Committee on Antarctic Research, of the International Council of Scientific Unions, and the International Union of Biological Sciences. George A. Llano, ed. (Smithsonian Institution, 1977; 1,296 pp.; ISBN 0-87201-999-7; available from Gulf Publishing Co., Book Division, P.O. Box 2608, Houston, TX 77001; \$19.95).

*Erosion and Sedimentation and Related Resource Considerations.* Prepared by U.S. Department of Agriculture for 1975 National Water Assessment. October 1977. 111 pp.; Free. Available from the U.S. Water Resources Council, 2120 L St., N.W., Washington, D.C. 20037.

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*Indice de Proyectos en Desarrollo en Ecología Tropical. Index of Current Tropical Ecology Research.* Vol. 2. Arturo Gomez - Pompa, Armando Butanda C. Xalapa. Ver. Mexico, Instituto de Investigaciones sobre Recursos Bioticos A.C. 270 pp. \$6.00. Available from the Instituto, Apartado Postal 63, Xalapa, Ver. Mexico.

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these African organizations, AGRIS, a program of FAO, AGRICOLA, the U.S. National Agricultural Library's data base, DEVSIS, a program underway with IDRC leadership and other information services, most with some form of computerized program deal in subjects and geographic areas relevant to the Sahel. The main problem facing all these services is that of incompatibility of format and computer programming if it is desired to merge files or to have input from one file to another.

For further information, write:

Sahel Documentation Center  
International Library  
Michigan State University  
East Lansing, MI 48824 USA

The illustration at the beginning of this article is the title-page from *Sahel Bibliographic Bulletin/Bulletin Bibliographique*, a quarterly publication of the Sahel Documentation Center of Michigan State University.



# AGRICOLA



By  
Ronald J. Walton, Chief  
Computer Applications

This table describes our complete holdings through calendar year 1977. The total records reflected in this table include 20,000 corrections to the total retrospective file.

Primary emphasis is being placed on corrections which might affect accurate search and retrieval of citations, including changes to call numbers, main entries, words in titles, subject headings, preceding or succeeding entries to serial titles, as well as duplication of cataloging entries.

It should also be noted that publications from certain sources are intentionally entered twice (e.g., USDA and State Experiment Station) because of NAL's decision to produce various products from the same data base, and concomitant limitations of the system to eliminate duplication.

As part of our AGRICOLA tape user service, we are offering a corrected retrospective (1970-1977) CAIN file in March 1978 to our primary on-line vendors and users. Corrections included in the retrospective file will be made available on approximately 24 magnetic tapes. We are encouraging

Rev: 1/25/78

## NAL BIBLIOGRAPHIC DATA BASES IN MACHINE-READABLE FORM

| NAME                                   | FORM                               | FORMAT     | COVERAGE (SCOPE & TIME)   | NUMBER OF RECORDS |
|--|------------------------------------|------------|---|-------------------|
| Pesticides                             | <u>TAPE ONLY</u><br><u>3 reels</u> | CAIN       | PIC List terms & years 1967-1969  | 42,667            |
| Herbicides                             | <u>1 reel</u>                      | Herbicides | HIC List terms & years -1967  | 2,209             |
| <u>Tape &amp; On-Line</u>              |                                    |            |   |                   |
| SERIAL TITLES AUTOMATED RECORDS (STAR) | <u>2 reels</u>                     | STAR       | All serials currently received by NAL<br>Plus a number of other serials held by NAL which have ceased publication or are inactive | 23,285            |
|  |                                    |            | TOTAL STAR  | 9,980             |
|  |                                    |            |   | 33,265            |

## AGRICOLA (AGRICultural On-Line Access)

|      | <u>Tape &amp; On-Line</u>      | CAIN | NAL <u>C</u> ataloging and <u>I</u> ndexing  |             | <u>Annual</u> | <u>Cumulative</u> |
|------|--------------------------------|------|--|-------------|---------------|-------------------|
|      |                                |      | <u>Scope</u>   | <u>Time</u> |               |                   |
| CAIN | <u>3 reels</u>                 |      | General agricul-<br>ture, agricul-<br>tural products,<br>animal husbandry,<br>veterinary medi-<br>cine, forestry,<br>plant science,<br>entomology,<br>agricultural engineering<br>and farm structures, soil<br>science, life sciences,<br>physical sciences and<br>mathematics, chemistry,<br>technology, economics and<br>administration, social<br>sciences and humanities,<br>information science | CY 1970     | 104,164       | 104,164           |
|      | <u>3 reels</u>                 |      |  | CY 1971     | 111,357       | 215,521           |
|      | <u>3 reels</u>                 |      |  | CY 1972     | 140,978       | 356,499           |
|      | <u>3 reels</u>                 |      |  | CY 1973     | 125,527       | 482,026           |
|      | <u>3 reels</u>                 |      |  | CY 1974     | 125,502       | 607,528           |
|      | <u>3 reels</u>                 |      |  | CY 1975     | 136,068       | 743,596           |
|      | <u>6 reels for CY 1976 and</u> |      |  | CY 1976     | 120,810       | 864,406           |
|      | <u>CY 1977 (combined)</u>      |      |  | CY 1977     | 140,380       | 1,004,786         |
|      | <u>Monthly reels</u>           |      |  |             |               |                   |
|      |                                |      |  |             |               |                   |

users to reload their AGRICOLA system to include the corrected records; however, you must consult your local system to determine if and when these corrected files are loaded on your local computer center or commercial vendors (Lockheed, SDC or Bibliographic Retrieval Service).

The NAL Tape files are available for merely the cost of reproduction: \$45 per tape. The tapes are provided with the express understanding that the Government does not make any warranties, express or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the information or data contained or furnished in connection therewith and NAL shall be under no liability whatsoever to any such individual or group entity by reason of any use made thereof. The tapes are available for monthly subscription and back files are available if required. If there are changes made in price or file content as much advance notice will be given as possible. NAL is not liable for maintaining documentation nor it is liable for changes in content or format.

Apply to Ronald J. Walton, Chief, Computer Applications, Technical Information Systems, Science and Education Administration, USDA, National Agricultural Library Building, Beltsville, Maryland 20705 (301/344-3811).

|  |  | <u>Food and Nutrition Information Center</u><br><u>Records</u>   |   |                          |         |       |       |
|--|--|--|---|--------------------------|---------|-------|-------|
| FNIC   | <u>2 reels</u> for all retrospective data.<br>Monthly input is included in the AGRICOLA monthly reels. | Consumer education,  | CY 1973   | 3,000                    | 3,000   |       |       |
|  |  | nutrition science  | CY 1974   | 2,734                    | 5,734   |       |       |
|  |  | and nutrition  | CY 1975   | 2,233                    | 7,967   |       |       |
|  |  | education, history,  | CY 1976   | 2,387                    | 10,354  |       |       |
|  |  | food standards and   | CY 1977   | 2,191                    | 12,545  |       |       |
|  |  | legislation, management and administration, education and training, menu planning, food preparation and production, equipment, sanitation and safety, food technology, recipes, reference materials, purchasing, receiving and storage |   |                          |         |       |       |
|  |  | <u>American Agricultural Economics Documentation Center</u><br><u>Records</u>  |   |                          |         |       |       |
|  |  | AAEDC  | <u>1 reel</u> for all retrospective data.<br>Monthly input is included in the AGRICOLA monthly reels. | (1970 through Jan. 1976) |         | 4,588 |       |
|  |  |  |   | Agricultural marketing,  | CY 1976 | 491   | 5,079 |
|  |  |  |   | agricultural policies    | CY 1977 | 1,787 | 6,866 |
| and programs, agricultural products, demand, supply and prices, food and consumer economics, foreign and international, production economics and farm management, regional and human development, resource economics |  |  |   |                          |         |       |       |
| <u>AGRICOLA Total</u>  |  |  |   |                          |         |       |       |
|  | CY 1970  |  |   | 104,164                  | 104,164 |       |       |
|  | CY 1971  |  |   | 111,357                  | 215,521 |       |       |
|  | CY 1972  |  |   | 140,978                  | 356,499 |       |       |
|  | CY 1973  |  |   | 128,527                  | 485,026 |       |       |
|  | CY 1974  |  |   | 128,236                  | 613,262 |       |       |
|  | CY 1975  | 138,301  | 751,563   |                          |         |       |       |
|  | CY 1976  | 128,276  | 879,839   |                          |         |       |       |
|  | CY 1977  | 144,358  | 1,024,197   |                          |         |       |       |



*international information system  
for the  
agricultural sciences and technology*

Food and Agriculture Organization of  
the United Nations  
Via della Terme di Caracalla  
00100 Rome, Italy

DESCRIPTION

AGRIS is a decentralized system and provides information to agricultural workers in the field, educational institutions and experiment stations, through a worldwide current awareness service, and a network of information and documentation centres on specialized subject areas or geographic regions.

The AGRIS system facilitates the exchange of information among all participating countries (92 as of October 1977), and creates or coordinates existing specialized information and documentation centres, particularly in developing countries. Each AGRIS participating country is responsible for contributing information published within its territory and benefits from a merged total data base in return. The Food and Agriculture Organization of the United Nations provides coordination of all AGRIS activities, central processing of data received from the participating countries, and distribution of the merged data base back to the participating countries in either printed format - AGRINDEX - and/or on magnetic tape.

POLICY and DIRECTIVES

The 16th Session of the FAO Conference in 1971 invited the Director General to seek necessary support from Governments and other interested bodies for the further study and operational planning of AGRIS. Again, the 17th Conference agreed that the Director General should pursue detailed preparation for starting the AGRIS operation by January 1975. It was also agreed that an independent appraisal of the first two years of the system be submitted to the 19th Conference Session in 1977. Following these recommendations and agreements, the AGRIS Coordinating Centre was established in 1974 and AGRINDEX commenced its regular publication in January 1975.

MAJOR ACTIVITIES in 1976-77

- Participating countries have risen from 57 to 92 (as of October 1977).
- In 1976, 77,000 records were added to the AGRINDEX data base and an estimated 100,000 will bring the total data base to nearly 230,000 by the end of 1977.
- Special regional training in developing countries (funded by extra-budgetary resources) took place in the Philippines, 1976 and in Kenya, 1977. Training seminars for input centre personnel were held in Vienna, June 1976 and 1977, and in Washington DC, April 1977.
- The 3rd AGRIS Forestry Expert Consultation met in Nancy, France, in June 1976.
- The requested independent appraisal of AGRIS was conducted by a UNISIST study team. Copies have been made available to Member Governments. The action programme for 1978-79 is set forth in Conference document C77/27 (June 1977).
- A preliminary meeting on the AGRIS vocabulary control was held in Rome, May 1977.
- Experimental work on computer conversion of U.S. data into AGRIS format began in July 1977.
- Production of cumulative author and subject indexes is under way.

PROJECTION for 1978-79

- Network development of specialized information and document delivery service centres in developing countries.
- Continuing to secure a comprehensive coverage of worldwide agricultural literature; the projected volume is 200,000 records annually by 1979.
- In cooperation with major input centres, AGRIS will establish a multilingual controlled vocabulary for a more specific subject access to the AGRIS data base.
- Expanding training programmes for field users of the AGRIS system, particularly in developing countries.
- Enhancing worldwide technology transfer through the AGRIS approach.

**JOB OPENING . . .** University of Illinois Library at Urbana-Champaign is seeking applications for a Veterinary Medicine librarian. Requires M.S. in Library Science, 3 years prof. experience; a science background desirable. Administrative experience desired. Salary \$14,000 upward. Faculty rank. Send resume with 5 refs. to Robert F. Delzell, Director of Personnel, University of Illinois Library, at Urbana-Champaign, IL 61801; (217) 333-0319.

Technical Information Systems (TIS) SEA/USDA receives many requests from organizations and individuals who desire on-line search services.

If you can provide such services to people outside your organization, the Reference Division of TIS would like to compile a listing of sources.

Please furnish the following:

Name of contact:

Available systems:

Address:

Telephone: Area Code + numbers

Costs:

Please send this information to Charles Bebee, Head, Automated Search Services, TIS/SEA/USDA, National Agricultural Library Building, Beltsville, MD 20705.

### TEXTILE LITERATURE

Lockheed Information Systems is offering online the computer based file of WORLD TEXTILE ABSTRACTS in the first quarter of 1978. Inquiries should be directed to Thomas M. Crawford, Head, Customer Services, Lockheed Information Systems, 3251 Hanover Street, Palo Alto, CA 94304.





*Agricultural History: An Index, 1027-1976.* Compiled by Vivian B. Whitehead, U.S. Department of Agriculture. Davis, Agricultural History Center, University of California. September 1977. 100 p. Order from: Agricultural History Center, University of California, Davis, CA 95616. Free.

*A Bibliography on the Use of Infrared Spectrophotometry in Pesticide and Pesticide Residue Studies.* Compiled by Paul A. Giang. (U.S. Agricultural Research Service. Northeastern Region. ARS-NE-91). Beltsville, Agricultural Environmental Quality Institute. 1978. 95 p. Order from: Dr. Paul A. Giang, Research Chemist, Analytical Chemistry Laboratory, Agricultural Environmental Quality Institute, Agricultural Research Center, Room 203, Building 307, Beltsville, MD 20705. Free. (NAL call no.: AS21.A75U45).

*Executive Reorganization: A Select Bibliography.* Compiled by Suzanne Cavanagh. (CRS Multi-List 77-13 G). Washington, Library of Congress, Congressional Research Service. January 1977. 37 p. Available to the public through their Congressman. Free.

*Food Science and Technology, a bibliography of recommended materials.* Edited by Richard E. Wallace. Cooperatively published by National Agricultural Library, U.S. Department of Agriculture and Food and Nutrition Division, Special Libraries Association. Beltsville, MD. 1978. 231 p. Free. Available from: Technical Information Systems, SEA/USDA, National Agricultural Library Bldg., Room 300, Beltsville, MD. 20705.

*Uganda: Subject Guide to Official Publications.* Compiled by Beverly Ann Gray. Washington, Library of Congress, African Section, General Reference and Bibliography Division. 1977. 271 p. Order from: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Price: \$7.25. (NAL call no.: Z3586.G7).

Clearance has been granted to publish the following bibliography: *Douglas-Fir Tussock Moth: An Annotated Bibliography.* Compiled by Robert W. Campbell and Lorna C. Youngs. For information contact: Dr. Robert W. Campbell, Research Entomologist, USDA, Forest Service, Pacific Northwest Forest and Range Experiment Station, Forestry Sciences Laboratory, Corvallis, OR 97331.

#### QUICK BIBLIOGRAPHY SERIES


The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL Reference Staff in response to customer requests.

Searches are selected for inclusion based on the currency of the topic, interest among NAL clientele, relative length (approximately 150 citations or more) and probable value to a larger audience. All titles in this series will be listed for four months. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requestors may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Division  
National Agricultural Library  
Beltsville, MD 20705

NAL -- BIBL. -- 77-24. *Recent Family Cooking Publications from State Extension Services. 1968--76.* 46 citations from AGRICOLA' Spanish and English titles. Search by William H. Longenecker.

NAL -- BIBL. -- 77-25. *Dairy Industry of the U.S. and Canada, July 1968-April 1977.* 175 citations from AGRICOLA. English only. Search by Charles N. Bebee.

NAL -- BIBL. -- 77-26. *Herb Gardening, 1958-1977.* 81 citations from CAIN. English only. Search by Jayne MacLean. 

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## CAPITAL HILL LEGISLATION

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Legislation under consideration or reports of the most pertinent agricultural legislation before the U.S. Congress are available at Federal depository libraries where they may be used; larger public libraries also have sets available. USDA personnel should contact their D.C. Headquarters office for access to bills.

### AGRICULTURAL TRADE

#### SENATE

- S. 92.* Amends the *Export Administration Act of 1969* to increase penalties for violations under such Act. Revises Presidential authority to control exports. Prohibits support of foreign boycotts by domestic exporting concerns. Exempts petroleum products and agricultural commodities from export controls designed to regulate domestic supply and inflation. Revises export regulation policy with respect to national security. Directs the Secretary of Commerce to study the effects of the export of technical data. Introduced Jan. 10, 1977; referred to the Committee on Banking, Housing, and Urban Affairs.
- S. 380.* Permits the Secretary of Agriculture under the *Agricultural Trade Development and Assistance Act of 1954 (P.L. 480)* to reallocate food and commodities earmarked for countries with an annual per capita gross national produce of \$300 or less when the Secretary determines that the food requirements of such countries have been sufficiently met. Introduced Jan. 19, 1977; referred to the Committee on Agriculture and Forestry.
- S.Res. 47.* Declares it the sense of the Senate that the President should undertake a major diplomatic initiative toward the creation of an international system of nationally held grain reserves. Introduced Jan. 19, 1977; referred to the Committee on Agricultural and Forestry.

#### HOUSE

*H.R. 1328.* Repeals the provision of the *Agricultural Trade Development and Assistance Act of 1954* that allocates food aid commodities among those countries that are and those countries that are not seriously affected by inability to produce or purchase sufficient food for their immediate requirements. Introduced Jan. 4, 1977; referred to the Committee on International Relations.

*H.R. 2917.* Prohibits, except in cases of extreme emergency, assistance under the *Agricultural Trade Development and Assistance Act of 1954* to any country that does not make reasonable and productive efforts, especially with regard to family planning, designed to alleviate the causes of the need for assistance. Introduced Feb. 1, 1977; referred to the Committee on International Relations.

*H.R. 4397.* Extends the *Agricultural Trade Development and Assistance Act of 1954*, as amended. Introduced Mar. 2, 1977; referred to more than one committee.

### FARM LEGISLATION

#### SENATE

- S. 2690.* Implements a land retirement program paying farmers to withhold cropland that would be harvested or planted in wheat, corn, grain sorghums, barley, cotton, and soybeans from production. It provides a 1-year paid set-aside of not less than 31 million acres, with total payments estimated at \$2.3 billion based on a per-acre average of \$75. Set-aside payments would be largely offset by reduced deficiency payments.

Includes key provisions of pending amendments to the *Farmers Home Administration Act* to increase the loan limitations for farm real estate and operating loan programs and to make family farm partnerships and corporations eligible for farmer program loans.

(Continued from page 15)

## CAPITOL HILL LEGISLATION

Increases borrowing authority of the Commodity Credit Corporation to \$25 billion from \$14.5 billion.

### HOUSE

*H.R. 9704. Amendment to the Federal Crop Insurance Act (P.L. 95-181) on November 15, 1977.* Provides for a total of \$200 million, an increase of \$50 million, in the capital stock of the FCIC. Also provides for a study of alternative programs which could be established for an all-risk, all-crop insurance to help provide protection for crop losses. Signed into law November 15, 1977.

*H.R. 10520 (and other identical bills: 10660, 10946).* Strengthens the economy of the U.S. through increased sales abroad of American farm products. Establishes not less than 25 U.S. agricultural trade offices in foreign countries to increase the effectiveness of agricultural export promotion efforts. Establishes an Under Secretary of Agriculture for International Affairs, and an Assistant Secretary of Agriculture for Commodity Programs. House Agricultural Subcommittee on Department Investigations conducted hearings Feb. 28 and March 1.

*H.R. 11122.* Establishes an Agricultural Land Review Commission, and a demonstration program aimed at assisting farmowners and the states in protecting agricultural land from being used for non-agricultural purposes. The Commission is directed to make various studies, reviews, and evaluations utilizing research activities of the Department of Agriculture. An amended version of this bill was reported on March 2, 1978 to the full committee from the Subcommittee on Family Farms, Rural Development and Special Studies. An earlier version of this bill was *H.R. 5882*. Hearings were held on *H.R. 5882* on June 15, 1977.

### FORESTRY LEGISLATION

### SENATE

*S. 1360.* Amends section 14(e) of the *National Forest Management Act of 1976*, insofar as the bidding methods in the same of trees, portions

of trees, or forest products from National Forest System lands are concerned. Signed into law February 20, 1978. *P.O. 95-233*.

*S. 2535 (The comparable House bill is H.R. 8020)* Authorizes and Directs cooperative forest resources assistance to States and others and a forestry incentive program to encourage the development, management, protection, and utilization of nonindustrial private forest lands. Provisions are also made for certain insect and disease control measures.

*S. 2536 (The comparable House bill is H.R. 8021)* Authorizes and directs the Secretary of Agriculture to carry out forest and rangeland renewable resources research, and to provide cooperative forest resources assistance to states and others. Authorizes establishment and maintenance of a system of experiment stations, experimental areas, other forest and rangeland research facilities, and competitive research grants in connection with these research activities. Referred to the Committee on Agriculture, Nutrition, and Forestry.

### HOUSE

*H.R. 10618 (An earlier version was H.R. 8022; the comparable Senate bill is S. 2537)* The "*Renewable Resources Extension Act of 1978*" directs the Secretary of Agriculture to provide, conduct, develop, and assist in providing educational programs concerning the management and protection of forest and range lands and the processing and use of their associated renewable resources. Directs the Secretary of Agriculture to prepare for Congress a five-year plan for implementing this act. Authorizes \$15 million for each of 10 years.

This administration-supported bill was reported March 1, 1978 by the Subcommittee on Forests to the full House Agriculture Committee.

(Continued on page 17)

## CAPITOL HILL LEGISLATION

### PUBLIC LANDS

*H.R. 3454.* Designates certain endangered public lands for preservation as wilderness, provides for the study of additional endangered public lands for such designation, to further the purpose of the *Wilderness Act of 1964*, and for other purposes. Reported in the House as *H. Rept. 95-490*, passed the House Sept. 12, 1977; reported by the Senate Committee October 11 (*S. Rept. 95-490*). Amended and passed the Senate on October 20, 1977. Signed into law Feb. 24, 1978; *P.L. 95-237*.

### RURAL DEVELOPMENT

*H.R. 8315.* Amends the *Consolidated Farm and Rural Development Act* by changing interest rates for FHA farmer programs and by increasing the lending ceilings from \$50,000 to \$100,000 for operating loans and on real estate loans from \$100,000 to \$200,000. Hearings were held in the House on October 26, 1977. The Subcommittee on Credit reported to the full House Agriculture Committee recently.

### AQUACULTURE

*H.R. 9370.* Establishes a National Aquaculture Plan under the direction of the Secretary of Commerce which would coordinate domestic programs and increase the availability of fisheries resources. The plan will identify those aquatic species with a high potential for culturing on a commercial basis and set up a development program. Establishes an Aquaculture Information Center under the Dept. of Commerce, and an Interagency Committee on Aquaculture to provide for a continuing exchange of information among the agencies represented on the Committee. Included in the membership are the Secretaries of Commerce (the Chairman), Interior, and Agriculture; the Administrators of EPA, SBA and ERDA; the Commissioner of Food and Drugs, the Chief of Engineers, etc.

Reported by the House Committee on Merchant Marine and Fisheries on October 28, 1977 (*H. Rept. 95-778*). Passed the House of Representatives on February 15, 1978 and referred on February 20 to

the Senate Committee on Commerce, Science and Transportation.

### OVERSIGHT

*H.R. 10817 and H.R. 10818.* These two bills are referred to as the "*Legislative Oversight Act of 1978*". They have as their objective the improvement of congressional oversight of federal programs and activities by requiring greater specificity in setting program objectives, by requiring continuing information on the extent to which programs are achieving their stated objectives, and by requiring periodic review of new authorizations of budget authority and tax expenditures.

### HEARINGS OF INTEREST


*Guayule Rubber Production.* Senate Environmental & Public Works Subcommittee on Regional and Community Development held hearings on *S. 1816, Research and Development of Guayule Rubber Production* March 1.

*School Lunch Program.* Senate Agriculture Subcommittee on Nutrition conducted oversight hearings March 7.

*Public Grazing Lands.* House Interior Subcommittee on Public Lands conducted hearing on *H.R. 10587, Public Grazing Lands Improvement Act of 1977*, grazing fees, range improvement, wild burros, and *H.R. 10589*, amendment to 402d of *Organic Act* on March 10.

*Forest Service.* Senate Appropriations Subcommittee on Interior held hearings on FY 79 Budget for Forest Service March 14.

### REPORTS

*U.S. Participation in International Agricultural Research.* A report to the Congress by the Comptroller General of the United States, January 27, 1978. 54 p. (ID-77-55) \$1.00 Available from U.S. General Accounting Office, Distribution Section, P.O. Box 1020, Washington, D.C. 20013. 



Policy in action is reflected in Washington by the organizational merging of the National Agricultural Library into the newly created Science and Education Administration (SEA) - pronounced See-ah. The library/information component is designated Technical Information Systems (TIS). During the past six months a quiet but significant reorganization has been underway within the USDA, altering its internal structure in a way that recognized libraries and information systems as important and co-equal entities with organs of research, teaching, and extension in the scientific research and communications process.

The organization plan selected for implementation by the Department of Agriculture is synergistic. The same first order functions assigned to the Deputy Directors for Extension, Cooperative Research, Federal Research, and Teaching have also been assigned to the Deputy Director for Technical Information Systems. The Deputy Director for TIS will now participate fully with the Director of SEA and other SEA executives in developing agency policies to insure that SEA, among other things:

- Supports food and agricultural research, extension, and teaching efforts responsible to local, state, regional, and national needs.
- Assures that the results of agricultural research are effectively communicated and demonstrated to farmers, processors, handlers, consumers, and other users.
- Supports and promotes information systems and libraries in the food and agricultural sciences and encourages their effective use in research, extension, and teaching programs.

To support the new and expanded mission, functions additional to those of organizing and maintaining a traditional library service have been added to SEA/TIS transforming it into a modern library and information

system. The Deputy Director for TIS will now be responsible for promoting the effective dissemination of information concerning research, extension, and teaching efforts and results to scientific and professional personnel, farmers, processors, handlers, consumers, and other users in an active mode by developing, maintaining, coordinating, and promoting the effective utilization of information systems, such as:

- Indexes and abstracts of citations to current food and agricultural science and education publications (AGRICOLA).
- The Current Research Information System (CRIS) that is a computerized data base which serves as the documentation and reporting system for USDA research projects and provides technical information to research scientists and current, coordinated program planning information to research managers.
- Current Awareness Literature Service (CALS) currently providing from nine data bases selective dissemination (SDI) and retrospective search services to more than 1,600 USDA scientists.
- Extension Management Information System (EMIS) a system for documenting and reporting the level of effort devoted to a variety of extension efforts by Federal and State extension professionals.
- Program Resource Information System (PARIS) a system for documenting and reporting Federal research resources being utilized for specific problems, commodities, and disciplines in different geographic areas.

(Continued from page 18)

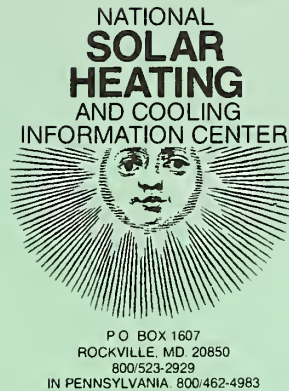
- Development of a compilation of solar energy research projects related to agriculture which are being carried out by Federal, State, private, and nonprofit institutions and, where available, the results of such projects.

In line with SEA's expanded scope of activities in the area of food and nutrition research and education, TIS will develop and operate a Food and Nutrition Information and Educational Resources Center (FNIC). The Center will be responsible to consumers and the American public for assembling and collecting food and nutrition educational materials, maintaining and providing for the dissemination of the material and developing and conducting a national nutrition education program. SEA/TIS will have direct responsibility for encouraging nutrition education programs by developing and distributing a comprehensive set of educational materials on food and nutrition education.

In addition, Section 1411, Food and Agricultural Act of 1977, calls for an expanded libraries and information network. Opinions are being actively sought from agricultural, food science, and library personnel in land-grants, cooperating forestry institutions, USDA, and commercial firms. The mandate for this legislation derives from years of discussion concerning methods of solving the overload in information generated, and its dissemination, understanding, and utilization by all portions of the agricultural community in the United States.

In summary then, the internal reorganization of the Department of Agriculture resulted in the elevation of the Department's libraries, the conjunction of libraries with information systems, and will bring about an expanded audience and level of operation for a newly created Science and Education Administration. The results of these changes will be the provision of better library and information service to more of the American public. As they say, we have our work cut out for us!

Richard A. Farley  
Acting Deputy Director for  
Technical Information Systems



The National Solar Heating and Cooling Information Center was established by the Department of Housing and Urban Development, in cooperation with the Energy Research and Development Administration, under provisions of Public Law 93-409, to help make everyone aware of the practical feasibility of solar energy and to encourage the public and industry to consider solar energy systems for homes and commercial buildings.

As an integral part of the Federal commitment to energy sufficiency, HUD and ERDA are sponsoring solar demonstration projects nationwide, establishing and developing building and performance and cost data.

All of this information is available to you through the Center. In most cases, the Center can answer your questions immediately, or forward information directly to you within a few days. Sometimes, the Center will serve as a referral point, providing you with the name, address and telephone number of the proper source.

## WORLD TRANSINDEX

The International Translations Centre in Delft, The Netherlands, the Directorate General for Scientific and Technical Information Management of the Commission of the European Communities in Luxembourg, and the Scientific and Technical Documentation Centre of the Centre National de la Recherche Scientifique in Paris, France, are now jointly spotting scientific and technical translations and as of January 1978 their former publications

- World Index of Scientific Translations and List of Translations Notified to the International Translations Centre;
- Transatom Bulletin;
- Bulletin des Traductions

have been merged into one common monthly publication entitled WORLD TRANSINDEX.

WORLD TRANSINDEX announces about 32,000 translations per year, from Asiatic and East European languages into Western languages. Translations from Western languages into French are also announced; this is the beginning of an extension of the service to all "inter-Western" translations. WORLD TRANSINDEX covers all scientific and technical fields, and the translations are arranged according to subject headings derived from the COSATI system. It includes a Source and an Author Index which are quarterly and annually cumulated.

WORLD TRANSINDEX is produced by means of the PASCAL system developed by the Centre National de la Recherche Scientifique. Thus the announced information on translations is at the same time stored in a central data base which permits also the production of profile print-outs and will, later on, be available for on-line access. A microfiche edition of WORLD TRANSINDEX is also being considered.

The main objective of this cooperation is to improve the dissemination of scientific and technological information published originally in a language which the user does not understand.

The subscription price for 1978 is Dfls. 600.--/US \$240.--.

Address for subscriptions:

International Translations Centre  
101 Doelenstratt  
DELFT  
The Netherlands.

## NEW SERIALS RECEIVED AT NAL



*Catalysts in chemistry.* Essex. R.H. Chandler. v. 1, no. 1, January 1977. QD505.C3

*Deutsche Schwarzbunte.* Munster-Hiltrup. Landwirtschaftsverlag. Jahrg. 1, Nr. 1, January 1, 1977. SF199.H75D4

*EIS: Key to environmental impact statements.* Washington, Information Resources Press. v. 1, no. 1. YF194.5.E2

*Food publications round-up.* New York. Food Librarians Division of Special Libraries Association. v. 1, no. 1, January/February 1977. Z5776.F7F62

*Veterinary science communications.* Amsterdam. Elsevier Scientific Pub. v. 1, no. 1, May 1977. SF601.V38

*Western Journal of Agricultural Economics.* College Station, Texas, Western Agricultural Economics Association. v.1, no. 1. Jun 1977. HD1750.W4



### NEW AND FORTHCOMING PUBLICATION

The long awaited *List of Journals Indexed* by the National Agricultural Library is expected from the printer on March 24. It will be distributed by the Library free-of-charge. Interested Libraries should send a self-addressed mailing label with their requests to:

Technical Information Systems  
Science and Education Administration,  
USDA  
National Agricultural Library Bldg,  
Rm 300  
Beltsville, MD 20705 .

The Agricultural Library, University of Kentucky, offers the following titles for the cost of postage (probably ship collect).

*Aberdeen-Angus Journal*, v. 32-45; 1957/58 - 1964. Bound

*Bibliography of Agriculture*, v. 1-4 (Jan-Jun); 5 (Jul-Dec); 10 (Jan-Jun); 11 (Jul-Dec); 12 and 15. Bound

*Country Gentlemen*, v. 113; 115; 117; 118; 121-122; 125 Jan-Aug, 1956-1964. Bound

*Farm Journal and Country Gentlemen*, v. 80-88; 1956-1964. Bound.

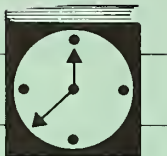
*Journal of Agricultural Research*, v. 1-21; 29/ 30-52; 53 (Jul-Dec); 66-78 (Jan-Jun). Bound

Would prefer to give away the entire run but will send individual volumes. Contact: Antoinette P. Powell, Librarian, Agriculture Library, University of Kentucky, Lexington, Kentucky 40506. Telephone: (606) 258-2758.



### CORRECTION

The telephone number for the Reference Information Desk at NAL, Beltsville is 344-3755. The number listed in "Key Staff and Services" in ALIN Feb. 1978 is incorrect.



## *April 10-14: SOLAR ENERGY SYSTEMS*

*APPLICATIONS*, Los Angeles, CA. Contact: Continuing Education in Engineering and Mathematics, UCLA, P.O. Box 24902, Los Angeles, CA 90024.

## *April 16-19: SECOND ANNUAL NATIONAL INFORMATION CONFERENCE AND EXPOSITION (NICE)*

Sheraton-Park Hotel, Washington, D.C. Sponsor: Information Industry Association. Theme: Information Management: Key to Information Credibility. Contact: Information Industry Association, 4720 Montgomery Lane, Suite 904, Bethesda, MD 20014 (301-654-4150).

## *April 17-19: 3rd SOUTHEASTERN CONFERENCE ON APPLICATION OF SOLAR ENERGY.*

Huntsville, AL. Contact: Dr. J. Hoomani, University of Alabama at Huntsville, P.O. Box 1247, Huntsville, AL 35807.

## *April 23-26: CLINIC ON LIBRARY APPLICATIONS OF DATA PROCESSING.*

University of Illinois Graduate School of Library Science, Urbana. Contact: Edward C. Kalb, Office of Continuing Education, 116 Illine Hall, University of Illinois, Urbana, IL 61801 (217-333-2884).

## *April 23-26: FIFTEENTH ANNUAL CLINIC ON LIBRARY APPLICATIONS OF DATA PROCESSING.*

University of Illinois, Urbana - Champaign. Contact: Edward Kalb, Clinic Supervisor 03-606, 116 Illine Hall, Champaign, IL 61820.

*April 25-27: EURIM3*, European Conference on the Contribution of Users to Planning and Policy Making for Information Systems and Networks. Kunstlerhaus, Lenbachplatz, Munich, Germany. Contact: Conference Organiser, Aslib, 3 Belgrave Square, London SW1X 8PL, England.

## *June 11-14: NATIONAL ASSOCIATION OF COLLEGES AND TEACHERS OF AGRICULTURE.*

Theme: Teaching - Learning Procedure: A Universal Concern. University of Manitoba. Contact: Paul Stelmaschuk, Chairman, NACTA Conference, School of Agriculture, University of Manitoba, Winnipeg, Manitoba, R3T 2N2.

*June 11-15: ASSOCIATION OF OFFICIAL SEED ANALYSTS*, Lincoln, Nebraska. Contact: Charles Abbott, Sec.-Treas., Ohio, Dept. Agriculture Lab., Reynoldsburg, OH 43068.

## *June 12-14: 14th AMERICAN WATER RESOURCES SYMPOSIUM*

San Francisco, CA. Contact: Kenneth D. Schmidt, 111 Fulton Mall, Suite 306, Fresno, CA 93721.

## *June 12-16: 9th INTERNATIONAL CONFERENCE ON YEAST GENETICS AND MOLECULAR BIOLOGY*

Rochester, New York. Sponsors: National Institutes of Health, Bethesda, MD; National Science Foundation, Washington, D.C.; Department of Energy, Washington, D.C. Contact: Dr. Christopher W. Lawrence, Dept. of Radiation Biology and Biophysics, University of Rochester Medical Center, 400 Elmwood Ave., Rochester, N.Y. 14642.

## *June 18-21: AMERICAN MEAT SCIENCE*

*ASSOCIATION*, Storrs, Connecticut. Contact: H.K. Johnson, Sec.-Treas, Natl. Livestock & Meat BD, 444 N. Michigan Ave., Chicago, IL 60611.

## *June 25-30: PLANT GROWTH REGULATOR WORKING GROUP AND AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS*

Blacksburg, VA. Contact: Patricia A. Richter, Actg. Bus. Exec., 9650 Rockville Pike, Bethesda, MD 20014.

## *June 27-30: AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS*

Logan, Utah. Contact: Russell H. Hahn, Asst. Sec., Box 410, St. Joseph, MI 49085.

## *July 9-12: AQUATIC PLANT MANAGEMENT SOCIETY ANNUAL MEETING*

Hilton Hotel, Jacksonville, FL. Contact: H.O. Cutler, 2636 W. First St., Jacksonville, FL 32205.

## *July 9-13: AMERICAN DAIRY SCIENCE ASSOCIATION AND AMERICAN SOCIETY OF ANIMAL SCIENCE*

East Lansing, MI. Contact: Claude J. Cruse, Bus. Mgr., 113 N. Neil St., Champaign, IL 61820.

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*July 16-20: AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE AND COUNCIL ON SOIL TESTING AND PLANT ANALYSIS*, Boston, Mass. Contact: Cecil Blackwell, Exec. Dir., Natl Cent. American Horticulture, Mount Vernon, VA 22121.

*July 17-20: AMERICAN VETERINARY MEDICAL ASSN & AUD.*, Dallas, TX. Contact: Russell G. Rongren, Dir Bus Div., 930 N. Meacham Rd., Schaumburg, IL 60196.

*July 17-21: POULTRY SCIENCE ASSOCIATION*, Clemson, S.C. Contact: C.B. Ryan, Sec-Treas., 311 Illinois Bldg, 113 N. Neil St., Champaign, IL 61820.

*July 30-August 2: SOIL CONSERVATION SOCIETY OF AMERICA*, Denver, CO. Contact: Larry D. Davis, Adm Asst., 7515 N.E. Ankeny Rd, Ankeny, IA 50021.

*August 6-9: AMERICAN AGRICULTURAL ECONOMICS ASSOCIATION*, Blacksburg, VA. Contact: John C. Redman, Sec-Treas., Kentucky Dept. Agrl Ec., Lexington, KY 40506.

*August 6-9: 5th NORTH FOREST SOILS CONFERENCE*. Colorado State University, Fort Collins. Contact: Office of Conferences and Institutes, Rockwell Hall, Colorado State University, Fort Collins, CO 80523.

*August 29-31: AMERICAN AGRICULTURAL ECONOMICS ASSOCIATION*, Chicago, IL. Contact: John C. Redman, Sec-Treas., Kentucky Univ. Dept Agrl Ec, Lexington, KY 40506.

*August 30-September 3: RURAL SOCIOLOGICAL SOCIETY*, San Francisco, CA. Contact: John E. Dunkelberger, Treas., 306A Comer Hall, Auburn Univ., Auburn, AL 36830.

*September 4-8: IAEA SYMPOSIUM ON SEED PROTEIN IMPROVEMENT IN CEREALS AND GRAIN LEGUMES*, Neuherberg, West Germany. Contact: John H. Kane, Special Assistant for Conferences, Office of Technical Information, MS A1-5216, ERDA, Washington, D.C. 20545.

*September 10-16: 2nd INTERNATIONAL CONGRESS ON ECOLOGY (INTERCOL)*, Jerusalem, Israel. Contact: Professor G.A. Knox, Zoology Department, University of Canterbury, Private Bag, Christchurch 1, New Zealand.

*September 17-21: 3rd SYMPOSIUM ON WEED CONTROL*, C.N.R.A., Dakar, Senegal. Contact: J.R. Guillou, Dept. de Malherbologie, C.N.R.A., Route de St-Cyr, 78000 Versailles, France.

*September 17-22: AMERICAN ASSOCIATION OF CEREAL CHEMISTS AND SIXTH INTERNATIONAL CEREAL AND BREAD CONGRESS*, Winnipeg, Canada. Contact: Raymond Tarleton, Exec VP, 3340 Pilot Knob Rd, St. Paul, MN 55121.

*October 29-November 2: AMERICAN PHYTOPATHOLOGICAL SOCIETY*, Tucson, AZ. Contact: R.J. Tarleton, Exec VP, 3340 Pilot Knob Rd, St. Paul, MN 55121.

*November 5-9: THIRD INTERNATIONAL CONFERENCE ON GOVT PRODUCTION AND DISEASE*, Tucson, AZ. Contact: Judith Brown, Div. of Continuing Education, Babcock Bldg, Room 1201, University of Arizona, Tucson, AZ 85719.

*November 6-10: 14th AMERICAN WATER RESOURCES CONFERENCE - WATER AND ENERGY ENVIRONMENT ECONOMICS*, Orlando, FL. Contact: Melvin W. Anderson, Dept. of Structures, Materials and Fluids, University of South Florida, Tampa, FL 33620.

*November 8-10: NATIONAL SYMPOSIUM ON WETLANDS*, Orlando, FL. Contact: Phillip E. Greison, U.S. Geological Survey, WRD, National Center, MS 412, Reston, VA 22092.

*November 12-15: EMPLOYEE SUPERVISION IN LIBRARIES*. Allerton Institute, University of Illinois Graduate School of Library Science, Urbana. Contact: Edward Kalb, 116 Illine Hall, University of Illinois, Champaign, IL 61820.

*November 12-15: NATIONAL ASSOCIATION OF STATE UNIVERSITIES AND LAND GRANT COLLEGES*, St. Louis, MO. Contact: Russell I. Thackrey, Sec., 1 Depont Circle, Suite 710, N.W., Washington, D.C. 20036.

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*November 26-30: ENTOMOLOGICAL SOCIETY OF AMERICA*, Houston, TX. Contact: Wallace P. Murdock, Exec Sec., 4603 Calvert Rd., College Park, MD 20740.

*December 11-15: INTERNATIONAL SYMPOSIUM ON THE USE OF ISOTOPES AND RADIATION IN RESEARCH AND SOIL-PLANT RELATIONSHIPS*, Colombo, Sri Lanka. Contact: John H. Kane, Special Assistant for Conferences, Office of Technical Information, MS A1-5216, ERDA, Washington, D.C. 20545.

*December 18-21: AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS*, Chicago, IL. Contact: Russell H. Hahn, Asst. Sec., Box 410, St. Joseph, MI 49085.



On January 24, 1978, four USDA agencies -- Agricultural Research Service (ARS), Cooperative State Research Service (CSRS), Extension Service (ES), and the National Agricultural Library (NAL) -- merged to become a new organization, the Science and Education Administration (SEA), U.S. Department of Agriculture.

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